

ECS Configuration Change Request

Page 1 of 1

Page(s)

1. Originator Dave Zoller	2. Log Date: 23 Mar 99	3. CCR #: 99-0242	4. Rev: —	5. Tel: 301-925-1068	6. Rm #: 2111A	7. Org. SED
8. Title of Change: Technical Directive for setting up anonymous FTP server						
9. Originator Signature/Date <i>Dave Zoller</i> 3/23/99		10. Class II	11. Type: CCR	12. Need Date: 03/26/99		
13. Office Manager Signature/Date <i>Russell Pollock</i> 3/23/99		14. Category of Change: Initial Baseline		15. Priority: (If "Emergency" fill in Block 28). Routine		
16. Documentation/Drawings Impacted: None		17. Schedule Impact: None		18. CI(s) Affected: DDIST		
19. Release Affected: None		20. Date due to Customer:		21. Impl. Date:		22. Estimated Cost: None
23. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: ECSed20355						
24. Description of Change: (use additional Sheets if necessary) The DDIST notices that go to a user contain insufficient information for the user to be able to pick up the data. This would seem like a DDIST problem that could be solved by DDIST, but in investigating this further it is clear that there is no clear strategy on how this should be solved other than using anonymous FTP.						
25. Proposed Solution: (use additional sheets if necessary) Set up anonymous FTP to allow user to pull data from DAAC using attached ETD.						
26. Alternate Solution: (use additional sheets if necessary) None						
27. Consequences if Change(s) are not approved: (use additional sheets if necessary) Unable to provide user pull capability requirement.						
28. Justification for Emergency (If Block 15 is "Emergency"):						
29. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> Mini-DAAC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
30. Board Comments:				31. Work Assigned To:		
32. EDF/REL2 CCB Chair (Sign/Date): <i>Mark D. Dwyer</i> 3/24/99		33. Disposition: <u>Approved</u> A/C Disapproved Fwd/ECS Fwd/ESDIS		34. (TBD)		
35. M&O CCB Chair (Sign/Date): <i>Ray W. Sloan</i> 3/24/99		36. Disposition: <u>Approved</u> A/C Disapproved Fwd/ECS Fwd/ESDIS		37. CM Manager's Closure:		
38. ECS CCB Chair (Sign/Date):		39. Disposition: Approved A/C Disapproved		40. CCR Closed Date:		

CM01 March 8, 1999

ECS/EDF/REL2 CCB

ORIGINAL



ECS Project
Engineering Technical Directive DRAFT

No. 99-005

Subject: Anonymous FTP setup
The following directive is issued to all DAACS and labs.

24-March-99

Issue: Anonymous FTP must be setup and is required since users pulling data from ECS will not have an ECS account.

Fix: Setup an anonymous FTP account and directory to allow users to obtain data via FTP from ECS.

Testing: From an Internet-based system, download a test file from the primary "acg" host using anonymous ftp.

Implementation: The following steps are designed to help set up a network accessible anonymous FTP account:

1. Logon to the primary "acg" host as root (or su to root)
2. Create the anonymous FTP account in the passwd file:
ftp:*:997:999:anonymous FTP account:/data4/OPS/apc/Pull_Data:/dev/null

IMPORTANT NOTE: Use the correct physical name/path of the actual disk -- it may not be data4. The rest of the path, however, should be similar.

3. Create an anonymous FTP directory (if not already created) as setup in the passwd file:
mkdir /data4/OPS/apc/Pull_Data
4. Change directory to the ftp home directory and create the user subdirectory used for FTP access (if not already created):
cd /data4/OPS/apc/Pull_Data
mkdir user
5. Set global access permission for the anonymous FTP directory so that the file may be written by an application that is started as part of the cmops group but is unseen (yet still accessible) to a user who knows the name:
chmod -R 171 /data4/OPS/apc/Pull_Data
chown -R ftp.cmops /data4/OPS/apc/Pull_Data

Anybody logging in can now retrieve files in the user directory, but they must be told the path and the name of the file beforehand because they cannot list the directory contents.

6. Create the etc directory underneath the Pull_Data directory using the command:
mkdir /data4/OPS/apc/Pull_Data/etc
7. Copy /etc/passwd and /etc/group to /data4/OPS/apc/Pull_Data /etc and edit the files as follows.

The passwd file should contain only:

```
root:*:0:0:super-user:/:/dev/null
bin:*:3:3:system tools owner:/bin:/dev/null
sys:*:4:0:system activity owner:/usr/adm:/dev/null
ftp:*:997:999:anonymous FTP account:/data4/OPS/apc/Pull_Data:/dev/null
```

The group file should only contain an entry for cmops NOTE: REPLACE THE XXX WITH YOUR LOCAL cmops GID:

```
cmops:*:XXX:
```

Engineering Technical Directive DRAFT

ECS Project

No. 99-005

Subject: Anonymous FTP setup

24-March-99

Set restrictive permissions on /data4/OPS/apc/Pull_Data /etc/passwd and /data4/OPS/apc/Pull_Data /etc/group:

```
# chmod 444 /data4/OPS/apc/Pull_Data /etc/*
```

8. Add device and library files for anonymous FTP as follows:
mkdir dev
/sbin/mknod /data4/OPS/apc/Pull_Data /dev/zero c 37 0
mkdir lib
cp /lib/libc.so.1 lib
cp /lib/rld lib
9. Add the following entry to the file /etc/aliases so that mail sent to the user anonymous goes to the postmaster:
Anonymous: postmaster
10. To make the above alias take effect, run the command:
newaliases
11. Verify that FTP logging to record successful and unsuccessful FTP logins and actions on files and directories performed during a FTP session by editing the /etc/inetd.conf file. Verify that the following line is present (and if not present enter it):
ftp stream tcp nowait root /usr/etc/ftpd ftpd -l1l
12. After editing /etc/inetd.conf, restart inetd with the following command:
/etc/killall -HUP inetd

Point of Contact: Byron V. Peters, chair, TSIWG, email bpeters@eos.hitc.com
Phone: 301/883-4077

Approved By: M. McBride
Director, Systems Engineering

Reference CCR: 99-0242

-----End of Directive-----